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Regarding the telephone interview between the Examiner and the undersigned on April 3, 2002, applicants provisionally elected, w/traverse, claims 1 - 10 for prosecution in the current application. Applicants argued that the claimed invention as claimed in claims 11 - 16 are drawn to the process as indicated in claims 1 - 10. Again, it is not understood why the Examiner feels that the oxide film can be formed on the "inner wall" of an amorphous silicon layer. Applicants' claimed invention deals with the forming of an oxide film on the inner wall of the processing chamber as part of the process for making an active matrix device that includes a top gate type TFT. It is quite clear from the U.S. PTO class definitions for Class 118 that applicants' claimed invention is not classifiable in class 118.

The definitions for class 118 reads as follows:

SECTION I - CLASS DEFINITION

This is the generic class for apparatus for applying or obtaining a surface coating on a base and/or apparatus for impregnating base materials and takes all such apparatus not provided for in other classes.

The coating obtained may be permanent or transitory. The coating may be supplied solely by extraneous materials, as in a painting or waxing operation, or may be supplied wholly or in part by the base materials as in the formation of an oxide coating on a metal base. The coating may consist of an emulsion, dispersion, solution, admixture or oil which is clearly disclosed as leaving a residual film, layer or continuous deposit on the base. However, mere application of water to a base is excluded and classified elsewhere in generic liquid contact class or other appropriate related liquid contact classes even where the stated function is to lubricate, coat or protect the base. See Lines With Other Classes and Within This Class, below, for additional discussion concerning exclusions.

The class also provides for apparatus for preparing the base for the coating operation, subsequent treatment of the coated base and ancillary noncoating apparatus, per se, when there is no class which specifically provides therefor. The treatment of the surface coating may be by application of water or other solvent alone, e.g., where a sponge supported on a fixed base is disclosed as applying water to a stamp to moisten the coating thereon. On the other hand, application of water or a solvent to a coated surface to remove the coating or to clean it without otherwise modifying it, would be excluded from Class 118 and classified in the appropriate surface treating class.

To be classified in this class the work treated must not be a part of the coating machine itself but must be an article separate and distinct therefrom. (emphasis added) Machines having as a part thereof means to condition or prepare the machine are generally classified with the art that provides for the particular machine, but see MOLD OR DIE COATING, for an exception to the line.

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Since applicants' claims clearly call for the coating of the chamber as part of the claimed invention, it is clear that claims 11 – 16 are not classifiable in class 118. Furthermore, the Examiner has cited prior art that addresses the claimed subject matter of claims 1 – 10 and as well, as claims 11 – 16. Therefore, it is respectfully requested that the Examiner withdraw the restriction requirement and examine claims 11 – 16 on the merits. Applicants invite the Examiner to respond to applicants' arguments for the removal of the restriction requirement.

Applicants again wishes to bring to the Examiner's attention that the current patent application was filed on May 15, 2001, some six months after the AIPA effective date of November 29, 2000. Accordingly, applicants are entitled to the benefits of having the present patent application examined under the AIPA changes to 35 U.S.C. § 102(e). It would be appreciated if the Examiner acknowledge this fact.

In response to the Examiner's rejection of claims 1 - 10 under 35 U.S.C. § 103(a) as being unpatentable over Ohnuma et al. in view of Gardner et al '519, applicants traverse the rejection and believe that the claims are not made obvious by Ohnuma et al. in view of Gardner. Applicants' claimed invention requires "forming an oxide film on an inner wall of a CVD processing chamber" as part of the manufacturing method of an active matrix device including a top gate type TFT (see claim 1). Applicants' claimed invention further requires "a removable oxide film" being formed on "an inner wall of the processing chamber for forming the top gate type TFT" (see claim 11). Applicants' method claims further require a step process order of:

- forming an oxide film on an inner wall of a CVD processing chamber;
- arranging a substrate having source and drain electrodes formed therein in the processing chamber;
- doping the source and drain electrodes with P; and
- forming an a-Si layer and a gate insulating film in the processing chamber.

Applicants method claim 2 further require the step of removing the oxide film from the inner wall after the step of forming the a-Si layer and the gate insulating film.

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Ohnuma fails to teach or suggest the "forming an oxide film on an inner wall of a CVD processing chamber" as part of the manufacturing method of an active matrix device including a top gate type TFT. Ohnuma further fails to teach or suggest "a removable oxide film" being formed on "an inner wall of the processing chamber for forming the top gate type TFT". Ohnuma still further fails to teach or suggest the order in which applicants' claimed method steps are presented. In particular, "forming an oxide on an inner wall of a CVD processing chamber" is performed prior to "doping the source and drain electrodes with p". This means preventing the dopant (phosphor) from being incorporated into the Si layer (6) during depositing the a-Si layer on a substrate soon after the step of doping **without the chamber changing**.

The patent to Gardner et al. fails to solve the deficiencies of Ohnuma et al. Gardner et al fails to teach or suggest the "forming an oxide film on an inner wall of a CVD processing chamber" as part of the manufacturing method of an active matrix device including a top gate type TFT. Gardner et al further fails to teach or suggest "a removable oxide film" being formed on "an inner wall of the processing chamber for forming the top gate type TFT". Gardner et al still further fails to teach or suggest the order in which applicants' claimed method steps are presented. In particular, "forming an oxide on an inner wall of a CVD processing chamber" is performed prior to "doping the source and drain electrodes with p". As a matter of fact, Gardner et al teaches away from applicants' claimed method by "removing any native oxide" before a layer is formed, see step 304 in Figure 3, column 4, lines 42 – 46 and column 6, lines 16 – 20. Accordingly, it is believed that Ohnuma et al. cannot make obvious applicants' claimed invention, either singularly or in combination with Gardner et al under 35 U.S.C. § 103(a). Furthermore, there is no motivation or suggestions for one skilled in the art to combine the teachings of Ohnuma et al. and Gardner et al as defined in claims 1 – 16. If one were to use the teachings of Gardner et al, one would remove the oxide from Ohnuma et al. However, since Ohnuma et al does not have an oxide film to remove, as claimed in applicants' claims, Gardner et al adds nothing to the Ohnuma et al reference.

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In view of the remarks herein, the Examiner is respectfully requested to reconsider the above-identified application and allow the claims therein. If the Examiner wishes to discuss the application further, or if additional information would be required, the undersigned will cooperate fully to assist in the prosecution of this application.

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In the event that this response does not result in allowance of all such claims, the undersigned respectfully requests a telephone interview at the Examiner's earliest convenience.

Respectfully submitted,

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